

University of Groningen

Roughness spectrum and surface width of self-affine fractal surfaces via the K-correlation model

Palasantzas, George

Published in:
Physical Review B

DOI:
[10.1103/PhysRevB.48.14472](https://doi.org/10.1103/PhysRevB.48.14472)

IMPORTANT NOTE: You are advised to consult the publisher's version (publisher's PDF) if you wish to cite from it. Please check the document version below.

Document Version
Publisher's PDF, also known as Version of record

Publication date:
1993

[Link to publication in University of Groningen/UMCG research database](#)

Citation for published version (APA):

Palasantzas, G. (1993). Roughness spectrum and surface width of self-affine fractal surfaces via the K-correlation model. *Physical Review B*, 48(19). <https://doi.org/10.1103/PhysRevB.48.14472>

Copyright

Other than for strictly personal use, it is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), unless the work is under an open content license (like Creative Commons).

The publication may also be distributed here under the terms of Article 25fa of the Dutch Copyright Act, indicated by the "Taverne" license. More information can be found on the University of Groningen website: <https://www.rug.nl/library/open-access/self-archiving-pure/taverne-amendment>.

Take-down policy

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

Downloaded from the University of Groningen/UMCG research database (Pure): <http://www.rug.nl/research/portal>. For technical reasons the number of authors shown on this cover page is limited to 10 maximum.

Errata

Erratum: Roughness spectrum and surface width of self-affine fractal surfaces via the K-correlation model [Phys. Rev. B 48, 14 472 (1993)]

George Palasantzas

Typographical errors occurred in this paper and are corrected below.

On page 14 473 (left column) the power-law fit for the correlation data yields for the roughness exponent H , $H=0.72\pm0.05$. The same error appears in the caption of Fig. 1.

On page 14 474 (left column) in lines 5 and 6 of Sec. IV, the name Jorge *et al.* should be changed to Jose *et al.* The same error appears in Ref. 23.

On page 14 475 (right column) in Fig. 3, the vertical axis should be $C_{sf}(R)$. In the caption of the same figure the value of the correlation for the fit of the data to the $C_{sf}(R)$ function is $\xi_{sf}=12.1$ nm.

On page 14 475 (right column), in the third line, the value of the roughness exponent H is $H=0.69$. In the fourth line the value of the correlation length ξ_{sf} is $\xi_{sf}=12.1$ nm.

On page 14 476 (left column) in line 21, Fig. 4 should be corrected to Fig. 4.

On page 14 476 (left column) in line 33 the term $g_{a_{lg}}$ should be g_{lg} .

On page 14 477 (right column) in line 2 the correlation length should be denoted by ξ . The same correction applies to Fig. 6.

On page 14 478 (right column) in the fifth line the expression “the evolution of” should be changed to “the involvement of.”